

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/EP2004/010011

 A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04Q7/22 H04M3/56 H04N7/15 H04L12/18 H04L29/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H04Q H04L H04M H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 03/010986 A (DUCROS MAXIME ; GUYOT OLIVIER (FR); LEGRAND PATRICK (FR); VIGER CHR) 6 February 2003 (2003-02-06) page 1, line 7 - line 17 page 3, line 19 - line 25 page 4, line 8 - page 10, line 18; figures 1-4	1-28
Y	WO 00/13336 A (CRUZ JOSE M ; AMERITECH CORP (US); SULLIVAN BARRY JAMES (US)) 9 March 2000 (2000-03-09) page 1, line 12 - line 25 page 3, line 3 - page 7, line 29; figure 1 ----- -/--	1-28

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

22 November 2004

Date of mailing of the international search report

02/12/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 330 022 B1 (SELIGMANN DOREE) 11 December 2001 (2001-12-11) abstract column 1, line 54 - column 2, line 30 column 3, line 6 - line 25 column 9, line 34 - line 43 -----	9-14, 17-21, 27,28
A	US 6 462 767 B1 (OBATA AKIHIKO ET AL) 8 October 2002 (2002-10-08) column 3, line 10 - line 55; claim 1; figures 4-11,18 -----	1-28
A	EP 0 808 048 A (AT & T CORP) 19 November 1997 (1997-11-19) abstract page 2, line 5 - line 29 -----	1-28

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Information on patent family members

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PCT/EP2004/010011

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03010986	A	06-02-2003	SE 519929 C2 EP 1417854 A1 SE 0102612 A WO 03010986 A1	29-04-2003 12-05-2004 27-01-2003 06-02-2003
WO 0013336	A	09-03-2000	AU 5583599 A WO 0013336 A1	21-03-2000 09-03-2000
US 6330022	B1	11-12-2001	NONE	
US 6462767	B1	08-10-2002	JP 3401587 B2 JP 9200716 A	28-04-2003 31-07-1997
EP 0808048	A	19-11-1997	US 5956482 A CA 2201999 A1 CA 2356826 A1 EP 0808048 A2 JP 10107895 A	21-09-1999 15-11-1997 15-11-1997 19-11-1997 24-04-1998

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